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10/19/2010

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Yaser S. ABDELSAMED

Art Unit: 2875

Serial No.: 10/593,953

Examiner: Gramling, Sean P.

Filed: 09/22/2006

Docket No.: 11059-0006US

For: LUMINAIRE REFLECTOR HAVING IMPROVED PRISM TRANSITION

RESPONSE PURSUANT TO 37 §1.113

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This responds to the office action dated April 19, 2010.

Amendments to the claims begin on page 2.

Remarks begin on page 4.

In the claims:

1. (Currently amended) A reflector for a luminaire comprising a shaped wall having a plurality of longitudinal main reflecting prisms circumferentially arranged on said shaped wall in a dome-like configuration and extending substantially the height of said shaped wall, each of said main reflecting prisms having a peak with a predetermined curvature in a cross section passing through a longitudinal axis of said shaped wall and degree of taper positioned between two valleys to provide a light reflection pattern, and a plurality of transition reflecting prisms interleaved with said main reflecting prisms, each of said transition reflecting prisms having a peak between two valleys with a first portion thereof having substantially said predetermined curvature degree of taper in a first region of said reflector comprising over a major part of said shaped wall to provide said light reflection pattern, wherein a second portion of the peak of each transition prism is contiguous with said first portion and transitions transitioning into the valley of a respective main prism in a second region of said reflector forming a transition zone having a length that is shorter than the length of said first portion region of said respective transition prism, and said main reflecting prisms also forming a third region of said reflector without interleaved transition prisms.

2. (Original) A reflector according to claim 1 wherein said main reflecting prisms and said transition prisms are configured to provide internal reflection of light emanating from an interior portion of said luminaire.

3. (Original) A reflector according to claim 1 wherein the shapes of said transition reflecting prisms outside of said transition zone are essentially the same as the shapes of said main reflecting prisms.

4. (Original) A reflector according to claim 1 wherein said shaped wall is rotationally symmetric about a longitudinal axis of said luminaire.

5. (Original) A reflector according to claim 1 wherein the length of said transition zone is less than about ten percent of the length of said shaped wall.

6. (Original) A reflector according to claim 1 wherein the length of said transition zone is less than about five percent of the length of said shaped wall.

7. (Original) A reflector according to claim 1 wherein said transition zone comprises a step.

8. (Original) A reflector according to claim 1 wherein in a cross section passing though a longitudinal axis of said shaped wall, the shape of said transition zone is one of linear, parabolic, or stepped.

9. (Original) A reflector according to claim 1 wherein in a cross section passing though a longitudinal axis of said shaped wall, the shape of said transition zone is circular.

10. (Original) A reflector according to claim 9 wherein the radius of curvature of said transition zone is about three inches.

11. through 16. (Cancelled)

REMARKS

The courteous interview granted the undersigned by Examiners O'Shea and Gramling on October 15, 2010, is noted with appreciation. At the interview, the Sales reference was discussed, and it was explained that Sales does not show a reflector having transition prisms with the curvature of the main prisms in one region, a short transition region, and a third region without transition prisms. It was agreed that claims amended to recite these three regions would overcome the rejections based on the Sales reference.

Claim 1 has been amended as discussed at the interview, and claims 11 through 16 have been cancelled to simply the issues. Reconsideration of the rejections of the claims under 35 USC §§ 102, 103 as unpatentable over Sales in light of the proposed amendments is respectfully requested.

Accordingly, it is submitted that this application is in condition for allowance, and an early indication thereof is respectfully requested. The examiner is invited to contact the undersigned with any outstanding matters.

All necessary extensions of time are hereby requested. Please charge all necessary fees to deposit account 50-1088.

Respectfully submitted,
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